

B<sup>1</sup>  
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C17  
injector to reciprocate along the longitudinal axis of the fuel injector cup and to limit reciprocation of the fuel injector along the longitudinal axis in a direction toward the fuel injector cup and away from the fuel injector cup, the fastener having a wall and a pair of legs projecting from the wall, the pair of legs straddling both the fuel injector cup and fuel injector, the legs and wall each having a respective length along the longitudinal axis, the length of the wall being less than the length of each leg.

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3. (Amended) The mounting arrangement of claim 2, wherein each leg of the fastener comprises a tab and a window, the tab having a mating surface that engages the retention groove of the fuel injector housing, the window having a frame that engages the retaining surface of the fuel injector cup.

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7. (Amended) The mounting arrangement of claim 6, wherein the mounting arrangement comprises a production assembly having the fastener installed by an automated process, the production assembly being capable of satisfying at least an appropriate assembly integrity test and environmental vibration test.

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8. (Twice Amended) A mounting arrangement, comprising:

a fuel rail;

a plurality of fuel injector cups connected to the fuel rail, each of the fuel injector cups including a cylindrical tube defining a longitudinal axis, a fuel rail mounting section disposed at a first end of the tube, and a lip at a second end of the tube;

a plurality of fuel injectors, each fuel injector corresponding to one of the plurality of fuel injector cups, each fuel injector having a housing including a fuel metering end, a fuel inlet end, and a retention groove, the fuel inlet end of the fuel injector being disposed within the cylindrical tube of the fuel injection cup; and

a clip that engages both the lip of the fuel injector cup and the retention groove in the housing of the fuel injector to secure the fuel injector to the fuel injector cup

Sub C6  
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and allow the fuel injector to reciprocate along the longitudinal axis extending through the cylindrical tube of the fuel injector cup, the clip limiting reciprocation of the fuel injector along the longitudinal axis in a direction toward the fuel injector cup and away from the fuel injector cup, the clip having a wall and a pair of legs projecting from the wall, the pair of legs straddling both the fuel injector cup and fuel injector, the legs and wall each having a respective length along the longitudinal axis, the length of the wall being less than the length of each leg.

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12. (Twice Amended) A clip for securing a fuel injector to a fuel injector cup on a fuel rail, the fuel injector having a housing disposed along a longitudinal axis with a retention groove, and the fuel injector cup having a lip, the clip comprising:

a wall having a first end and a second end, the wall having a length disposed along the longitudinal axis;

a first leg projecting from the first end of the wall, the first leg including a first tab and a first window, the first leg having a length disposed along the longitudinal axis; and

a second leg projecting from the second end of the wall, the first leg and the second leg being substantially parallel, the second leg including a second tab and a second window, the second leg having a length disposed along the longitudinal axis;

wherein the length of the wall is less than the length of the first or second legs;

wherein the first tab and the second tab have a corresponding mating surface configuration adapted to engage the retention groove in the housing of the fuel injector;

wherein the first window and the second window each have a substantially similar frame adapted to engage the lip of the fuel injector cup, each of the frames having a pair of landing edges extending along the corresponding leg, the pair of landing edges on each of the frames being spaced so that engagement of one of the landing edges with the lip of the fuel injector cup is exclusive of engagement of the lip of the fuel injector cup with the other of the landing edges so that the one of the landing edges limits the reciprocation of the fuel injector along the longitudinal axis in the direction toward the fuel injector cup and

B4 Sub C1 the other one of the landing edges limits reciprocation of the fuel injector along the longitudinal axis in the direction away from the fuel injector cup.

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Sub C1 15. (Twice Amended) A method of mounting a fuel injector to a fuel injector cup on a fuel rail so that the fuel injector is secured to the fuel injector cup and the fuel injector can be positioned along a longitudinal axis defined by the fuel injector cup, the method comprising:

providing a fuel rail with at least one fuel injector cup, the at least one fuel injector cup including a retaining surface;

locating at least one fuel injector proximate the at least one fuel injector cup, the at least one fuel injector having a housing with a retention groove; and

B6 securing the at least one fuel injector to the at least one fuel injector cup with a fastener that engages both the retention surface of the fuel injector cup and the retention groove in the housing of the fuel injector, the fastener limiting reciprocation of the fuel injector along the longitudinal axis in a direction toward the fuel injector cup and away from the fuel injector cup, the fastener having a wall and a pair of legs projecting from the wall, the pair of legs straddling both the fuel injector cup and fuel injector, the wall and each leg having a length disposed along the longitudinal axis, the length of wall being less than the length of each leg.

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